

**AMENDMENTS TO THE SPECIFICATION**

**Please amend the first paragraph on page 67 and replace it with the following new paragraph:**

Desulfurization reaction rate constant =

$$[1/(S_p)^{(1.3-1)} - 1/(S_f)^{(1.3-1)}] \times (LHSV) \underline{\times 1/(1.3-1)}$$